

(FILE 'HOME' ENTERED AT 17:44:26 ON 08 OCT 2002)

FILE 'BIOSIS, CABA, CAPLUS, EMBASE, LIFESCI, MEDLINE, SCISEARCH,
USPATFULL, JAPIO' ENTERED AT 17:44:37 ON 08 OCT 2002

L1 859 S CHEN, GANG/AU
L2 717 DUP REM L1 (142 DUPLICATES REMOVED)
L3 14 S HAYHURST, ANDREW/AU
L4 9 DUP REM L3 (5 DUPLICATES REMOVED)
L5 33 S THOMAS, JEFFREY G/AU
L6 25 DUP REM L5 (8 DUPLICATES REMOVED)
L7 157 S IVERSON, BRENT L/AU
L8 123 DUP REM L7 (34 DUPLICATES REMOVED)
L9 250 S GEORGIU, GEORGE/AU
L10 186 DUP REM L9 (64 DUPLICATES REMOVED)
L11 1 S L2 AND L4 AND L6 AND L8 AND L10

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11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS

AB The invention overcomes the deficiencies of the prior art by providing a rapid approach for isolating binding proteins capable of binding small mols. and peptides via "display-less" library screening. In the technique, libraries of candidate binding proteins, such as antibody sequences, are expressed in sol. form in the periplasmic space of gram neg. bacteria, such as Escherichia coli, and are mixed with a labeled ligand. In clones expressing recombinant polypeptides with affinity for the ligand, the concn. of the labeled ligand bound to the binding protein is increased and allows the cells to be isolated from the rest of the library. Where fluorescent labeling of the target ligand is used, cells may be isolated by fluorescence activated cell sorting (FACS). The approach is more rapid than prior art methods and avoids problems assocd. with the surface-expression of ligand fusion proteins employed with phage display.

AN 2002:332318 CAPLUS

DN 136:337348

TI Isolation of binding proteins with high affinity to ligands

IN Chen, Gang; Hayhurst, Andrew; Thomas, Jeffrey
G.; Iverson, Brent L.; Georgiou, George

PA Board of Regents, the University of Texas System, USA

SO PCT Int. Appl., 98 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002034886	A2	20020502	WO 2001-US46795	20011026
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	AU 2002030635	A5	20020506	AU 2002-30635	20011026
PRAI	US 2000-699023	A	20001027		
	WO 2001-US46795	W	20011026		

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

18.79

19.00

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-0.62

-0.62

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FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Oct 4, 2002 (20021004/UP).

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